

## **IN THE CLAIMS**

*This listing of claims will replace all prior versions and listings of claims in the application.*

### **Listing of Claims:**

1. (Original) An optical fiber for irradiation-light transfer for exiting from an exit terminal thereof irradiation light incident from an incidence terminal thereof, comprising:
  - an annular portion formed by bending an intermediate region thereof in an annular shape; and
  - a fixing member for fixing a crossing zone of the annular portion.
2. (Original) An optical fiber for irradiation-light transfer for exiting from an exit terminal thereof irradiation light incident from an incidence terminal thereof, comprising:
  - a partial annular portion formed by partially bending an intermediate region thereof in an annular shape; and
  - a fixing member for fixing a crossing zone of the partial annular portion.
3. (Original) An optical fiber for irradiation-light transfer for exiting from an exit terminal thereof irradiation light incident from an incidence terminal thereof, comprising:
  - partial annular portions formed continuously or intermittently by partially bending an intermediate region thereof in an annular shape.

4. (Original) An optical fiber for irradiation-light transfer for exiting from an exit terminal thereof irradiation light incident from an incidence terminal thereof, comprising:  
an intermediate region thereof is formed in a three-dimensional shape.
5. (Original) The optical fiber for irradiation-light according to claim 4, wherein  
the intermediate region is formed in a spiral shape.
6. (Original) The optical fiber for irradiation-light according to any one of claims 1 to 5,  
wherein  
the irradiation light from a plurality of power sources is incident from the incidence terminal.
7. (Currently Amended) The optical fiber for irradiation-light according to ~~any one of the claims 1 to 6~~ claim 6, comprising:  
a single large diameter optical fiber element.
8. (Original) The optical fiber for irradiation-light transfer according to claim 7, wherein  
a bundle optical fiber which includes a plurality of optical fiber elements is coupled with  
the incidence terminal.

9. (Currently Amended) The optical fiber for irradiation-light transfer according to ~~any one of the claims 1 to 8~~ claim 8, wherein

the radius of curvature at the annular portion is adjustable.

10. (Currently Amended) The optical fiber for irradiation-light transfer according to ~~any one of the claims 1 to 9~~ claim 9, wherein

the radius of curvature at the annular portion is fifty or more times as large as the diameter of the fiber.

11. (Currently Amended) The optical fiber for irradiation-light transfer according to ~~any one of the claims 1 to 10~~ claim 10, wherein

the radius of curvature at the annular portion is 75 mm or less.

12. (Original) The optical fiber for irradiation-light transfer according to claim 1, wherein twice or more wound is formed at the annular portion.

13. (Currently Amended) A light irradiation device comprising:

a light source;

an optical fiber for transferring irradiation light from the light source; and

the optical fiber for irradiation-light transfer according to ~~any one of the claims 1 to 12~~ claim 11.

14. (Original) The light irradiation device according to claim 13 provided inside a case.

15. (Original) The light irradiation device according to claim 13 provided outside a case.